



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/505,440	08/24/2004	Eberhard Ammermann	3165-107	2309
6449 7590 10/27/2008 ROTHWELL, FIGG, ERNST & MANBECK, P.C. 1425 K STREET, N.W. SUITE 800 WASHINGTON, DC 20005				
EXAMINER				
PURDY, KYLE A				
ART UNIT		PAPER NUMBER		
1611				
NOTIFICATION DATE		DELIVERY MODE		
10/27/2008		ELECTRONIC		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

PTO-PAT-Email@rfem.com

Office Action Summary

Application No.

10/505,440

Applicant(s)

AMMERMANN ET AL.

Examiner

Kyle Purdy

Art Unit

1611

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 28 August 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4, 7-9 and 11-13 is/are pending in the application.
- 4a) Of the above claim(s) 3, 4, 8, 9, 12 and 13 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1, 2, 7 and 11 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SF/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Status of Application

1. The Examiner acknowledges receipt of the amendments filed on 08/28/2008 wherein claims 1, 7, 8, 9 have been amended and claims 5, 6 and 10 have been cancelled.

2. Claims 1, 2, 7 and 11 are presented for examination on the merits. The following rejections are made.

Restriction Requirement

3. Applicants amendment and arguments for amended claim 7 to be included in restrictable Group I in is sufficient for its inclusion into said group as set forth in the restriction requirement mailed on 02/22/2008.

Response to Applicants' Arguments

4. Applicants arguments filed 08/28/2008 regarding the rejection of claims 1, 2 and 11 made by the Examiner under 35 USC 103(a) over Wachendorff-Neumann et al. (US 6787567) have been fully considered but they are not found persuasive.

5. Applicants arguments filed 08/28/2008 regarding the rejection of claims 1, 2 and 11 made by the examiner under 35 USC 103(a) is **MAINTAINED** for the reasons of record in the office action mailed on 05/01/2008.

6. In regards to the 103(a) rejection, Applicant asserts the following:

A) The genus of fungicides described by Wachendorff is so large that it would not have been obvious to select the combination of prothioconazole and triflozostrobin.

7. With respect to assertion A, this argument is not found persuasive. The claims were rejected because it would have been obvious to one of ordinary skill in the art at the time the

invention was made to pick and chose from known fungicides to arrive at fungicidal combination capable of exhibiting synergistic activity, Wachendorff teaches that prothioconazole, prothioconazole, and trifloxystrobin are fungicides capable of being put into formulations to inhibit the growth of fungi. As noted in the office action mailed on 05/01/2008, the MPEP (2144.06) states that it is *prima facie* obvious to combine two compounds each of which is taught by the prior art to be useful for the same purpose, in order to form a third to be used for the very same purpose. The fact that Wachendorff discloses a substantial amount of fungicides for use in their composition does not mitigate the validity of the applied rejection. The mere fact that the compounds are commonly used and recognized by the art as fungicides, one of ordinary skill would have been motivated to combine them and arrive at a composition with the instantly claimed properties. Even yet, if one were to combine the instantly claimed compounds, it would not be a result of innovation, but rather the result of common sense and ordinary skill. Applicants arguments are not found persuasive.

Maintained Rejections
Claim Rejections - 35 USC § 103

8. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

9. **Claims 1, 2 and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wachendorff-Neumann et al. (US 6787567; of record).**

10. The teaching of Wachendorff-Neuman et al. ('Wachendorff') is drawn to fungicidally active compound combinations. It is disclosed that prothioconazole (compound XXI, see column 6, lines 5-10; see instant claims 1 and 2) and trifloxystrobin (compound XII, see column 4, lines 20-25; see instant claims 1 and 2) are fungicides which can be used in the active combination. It is taught that the active fungicidal compound combinations are present in a solid or liquid carrier (see column 26, lines 62-68; see instant claim 11).

11. Thus, it would have been obvious to one ordinarily skilled in the art at the time the invention was made to use and modify the teaching of Wachendorff with a reasonable expectation for success in arriving at a active fungicidal mixture wherein the mixture comprises prothioconazole and trifloxystrobin. Although the teaching of Wachendorff doesn't specifically teach using the compounds together, it would still have been obvious to combine them and arrive at a composition having the instant properties. According to the MPEP (2144.06), it is *prima facie* obvious to combine two compounds each of which is taught by the prior art to be useful for the same purpose, in order to form a third composition to be used for the very same purpose. So even though Wachendorff fails to use the two compounds together, the mere fact that both compounds are commonly used as fungicides, one of ordinary skill would have motivated to combine them with a reasonable expectation for success in arriving at a composition with the instantly claimed properties.

New Grounds of Rejections, Necessitated by Amendment
Claim Rejections - 35 USC § 103

12. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

13. Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over Wachendorff-Neumann et al. (US 6787567; of record).

14. Wachendorff is relied upon for disclosure described in the rejection of claim 1 under 35 U.S.C. 103(a).

15. Wachendorff teaches that prothioconazole and trifloxystrobin can be included in a fungicidal composition, preferably from 0.2 to 20 parts by weight (see column 22, lines 50 and line 66: specifically groups 12 and 20; see instant claim 7).

16. However, Wachendorff specifically fails to teach a composition comprising prothioconazole and trifloxystrobin wherein the weight ratio of one to the other is from 1:20 to 20:1.

17. Regardless, it would have been obvious to one of ordinary skill in the art at the time the invention was made to use the teachings of Wachendorff with a reasonable expectation for success in arriving at a fungicidal composition comprising prothioconazole and trifloxystrobin in a weight ratio from 1:20 to about 20:1. As discussed above, Wachendorff states that the amount each fungicidal component to be used in a composition ranges from 0.2 to 20 parts by weight which would result in a weight ratio of 1:1 to 100:1 (or 1:100) which covers the broad range claimed by Applicant. It is not considered inventive to optimize compositions (per weight ratio) especially when the conditions of such a composition are clearly suggested by the prior art. Therefore, a composition which comprises prothioconazole and trifloxystrobin at a weight ratio

of 20:1 to 1:20 is *prima facie* obvious to one of ordinary skill in the art at the time the invention was made, as evidenced by the references, especially in absence of evidence to the contrary.

Conclusion

18. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

19. A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

20. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kyle A. Purdy whose telephone number is 571-270-3504. The examiner can normally be reached from 9AM to 5PM.

21. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sharmila Landau, can be reached on 571-272-0614. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

22. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

*/Kyle Purdy/
Examiner, Art Unit 1611
October 21, 2008*

*/Sharmila Gollamudi Landau/
Supervisory Patent Examiner, Art Unit 1611*